

## OPINION 1501

***Alveolina* d'Orbigny, 1826 (Foraminiferida): *Oryzaria boscii* Defrance in Bronn, 1825 designated as the type species****Ruling**

- (1) Under the plenary powers:
  - (a) all previous designations of type species for the nominal genus *Alveolina* d'Orbigny, 1826 are hereby set aside and *Oryzaria boscii* Defrance in Bronn, 1825 is designated as type species;
  - (b) the following generic names are hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
    - (i) *Fasciolites* Parkinson, 1811;
    - (ii) *Oryzaria* Defrance in Bronn, 1825;
  - (c) the specific name *sabulosus* de Montfort, 1808, as published in the binomen *Miliolites sabulosus*, is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.
- (2) The name *Alveolina* d'Orbigny, 1826 (gender: feminine), type species by designation under the plenary powers in (1) (a) above, *Oryzaria boscii* Defrance in Bronn, 1825, is hereby placed on the Official List of Generic Names in Zoology.
- (3) The name *boscii* Defrance in Bronn, 1825, as published in the binomen *Oryzaria boscii* (specific name of the type species of *Alveolina* d'Orbigny, 1826) is hereby placed on the Official List of Specific Names in Zoology.
- (4) The name ALVEOLINIDAE Ehrenberg, 1839, type genus *Alveolina* d'Orbigny, 1826, is hereby placed on the Official List of Family-Group Names in Zoology.
- (5) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
  - (a) *Fasciolites* Parkinson, 1811 as suppressed in (1) (b) (i) above;
  - (b) *Oryzaria* Defrance in Bronn, 1825 as suppressed in (1) (b) (ii) above;
  - (c) *Microfasciolites* Gaemers, 1978 (a junior objective synonym of *Alveolina* d'Orbigny, 1826).
- (6) The name *sabulosus* de Montfort, 1808, as published in the binomen *Miliolites sabulosus* and as suppressed in (1) (c) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.

**History of Case 2356**

An application for the designation of *Oryzaria boscii* Defrance in Bronn, 1825 as the type species of *Alveolina* d'Orbigny, 1826 was received from Drs A. R. Loeblich & H. Tappan (*University of California, Los Angeles, U.S.A.*) on 5 August 1980. After correspondence the case was published in BZN 44: 36–40 (March 1987). [Note: the last line of para. 3 on p. 36, concerning the neotype of *Borelis melo* (Fichtel & Moll, 1798) is in error (see BZN 45: 217–219)]. Notice of the case was sent to appropriate journals.

Mr R. V. Melville commented that particulars of the type specimen (if any) of *Oryzaria boscii* should be published, in order to clarify the identity of the type species of *Alveolina*; he mentioned that Defrance's material had probably been destroyed at Caen in 1944. No lectotype or neotype has been designated.

### Decision of the Commission

On 1 March 1988 the members of the Commission were invited to vote on the proposals published in BZN 44: 38–39, and also to designate the specimen figured by Bosc (1802; reference below) as the lectotype of *Oryzaria boscii* Defrance in Bronn, 1825. At the close of the voting period on 1 June 1988 the votes were as follows:

Affirmative votes — 21: Alvarado, Bayer, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Mroczkowski, Ride, Savage, Schuster, Starobogatov, Thompson, Uéno, Willink

Negative votes — 1: Melville.

No votes were returned by Bernardi, Gruchy and Trjapitzin. Melville voted against because he considered it inappropriate for the Commission to designate a lectotype in this case, and this part of the vote is withdrawn. The specimen which had been proposed as lectotype is that illustrated by Bosc (1802) as the 'alvéolite grain de festuque' and collected from 'sablon calcaire' near the village of Auvers, near Pontoise, France. Bosc's 'alvéolite' is the basis of Defrance's 'Oryzaire-Bosc' of 1820, latinised in 1825 to *Oryzaria boscii*.

### Original references

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

*Alveolina* d'Orbigny, 1826, *Annales des Sciences Naturelles*, (1)7: 306.

ALVEOLINIDAE Ehrenberg, 1839, *Physikalische Mathematische Abhandlungen der Königlischen Akademie der Wissenschaften zu Berlin*, 1838: table facing p. 20.

*boscii*, *Oryzaria*, Defrance in Bronn, 1825, *System der urweltlichen Pflanzenthier*, p. 44.

*Fasciolites* Parkinson, 1811, *Organic remains of a former world*, p. 158.

*Microfasciolites* Gaemers, 1978, *Leidse Geologische Mededelingen*, 51: 106.

*Oryzaria* Defrance in Bronn, 1825, *System der urweltlichen Pflanzenthier*, p. 31.

*sabulosus*, *Miliolites*, de Montfort, 1808, *Conchyliologie systématique et classification méthodique des coquilles*, vol. 1, p. 175.

The reference for Bosc's 'alvéolite grain de festuque' mentioned above is:

Bosc, L. A. G. 1802. Sur deux nouvelles Alvéolites. *Bulletin des Sciences, par la Société Philomatique de Paris*, 3(61): 99; pl. 5, fig. 3, A–C.